01-31-05

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XPRESS MAIL LABEL NO: EV 485807944 US

PATENT APPLICATION Docket No: 15436.438.1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of)
	Hoki Kwon)
Serial No.:	10/078,473) Art Unit
Confirmation No.:	4854) 2811
Filed:	February 21, 2002)
For:	CARBON DOPED GAASSB SUITABLE FOR USE IN TUNNEL JUNCTIONS OF LONG- WAVELENGTH VCSELS))))

TRANSMITTAL FOR SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop AMENDMENT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing and pursuant to 37 C.F.R. § 1.97 is an Information Disclosure Statement.

Enclosed also are the following designated documents, as required under 37 C.F.R. §§ 1.97 and 1.98:

- X Form PTO-1449 list of 17 references submitted for consideration.
- X Legible copies of the listed references or their relevant portions.
- All English translations of each non-English reference, if any, within the possession, custody, control or availability of anyone designated in 37 C.F.R. § 1.56(c) (see 37 C.F.R. § 1.98(c)).

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VERNON R. RICE §

^{*} Admitted only in California

[§] Admitted only in Virginia

PATENT APPLICATION Docket No: 15436.438.1

	d as required under 37 C.F.R. § 1.98:					
_	Concise explanation of relevance of each reference not in English and unaccompanied by an English translation.					
	Statement that certain listed references not enclosed are substantially cumulative of an enclosed reference.					
	Statement that certain listed references not enclosed were previously cited by or submitted to the Office in the identified prior application which is relied upon for an earlier filing date under 35 U.S.C. § 120.					
	Legible Copies of previously filed Information Disclosure Statement for application Serial No, filed					
	er to secure consideration of the items designated above, one or more ng, if required, is also enclosed:					
	Promptness Certification.					
<u>X</u>	Credit Card Payment Form in the amount of \$180.00 constituting submission fee under 37 C.F.R. 1.17(p);					
_	Petition for Consideration and Check No in the amount of \$					
<u>X</u>	In the event that 37 C.F.R. § 1.97(c) applies and the Examiner is not satisfied that the Promptness Certification meets the requirements of 37 C.F.R. § 1.97(e), or in any other event remediable by a fee, please credit any over payment or charge any additional fees to Deposit Account No. 23-3178 of the undersigned.					
Dated	this day of January 2005.					
	Respectfully submitted,					

ERIC L. MASCHOFF Attorney for Applicant Registration No. 36,596

Customer No. 022913

ELM:alb Enclosures AB0000000052V001

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02/03/2005 ANABI1

JAN 2 8 2705 ES	EL NO: EV 485807944 US UNITED STATES PATENT AND TRADE	PATENT APPLICATION Docket No: 15436.438.1 MARK OFFICE)
	Hoki Kwon)
Serial No.:	10/078,473) Art Unit
Confirmation No.:	4854) 2811
Filed:	February 21, 2002)
For:	CARBON DOPED GAASSB SUITAI USE IN TUNNEL JUNCTIONS OF L WAVELENGTH VCSELS	,

Dung T. Nguyen

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97

Mail Stop AMENDMENT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Examiner:

Please find, pursuant to 37 C.F.R. § 1.98(a)(1), the enclosed Form PTO-1449 which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). While no representation is made that any of these references may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or 103, the enclosed list of references is disclosed so as to fully comply with the duty of disclosure set forth in 37 C.F.R. § 1.56.

Moreover, while no representation is made that a specific search of office files or patent

office records has been conducted or that no better art exists, the undersigned attorney of record

believes that the enclosed art is the closest to the claimed invention (taken in its entirety) of which

the undersigned is presently aware, and no art which is closer to the claimed invention (taken in its

entirety) has been knowingly withheld.

In accordance with 37 C.F.R. §§ 1.97 and 1.98, a copy of each of the listed references or

relevant portion thereof is also enclosed.

In accordance with 37 C.F.R. § 1.98(c), all English translations within the possession,

custody, control or availability of anyone designated in 37 C.F.R. § 1.56(c) of each non-English

reference, if any, are also enclosed.

Submission Fee Under 37 C.F.R. § 1.97(c)

In accordance with 37 C.F.R. § 1.97(c), a PTO 2038 Credit Card Payment Form in the

amount of \$180.00 to cover the submission fee is enclosed to secure consideration of the references

submitted with this Information Disclosure Statement. Please credit any over payment or charge

any additional fees to Deposit Account No. 23-3178 of the undersigned.

DATED 19 January, 2005.

Respectfully submitted,

e thould

ERIC L. MASCHOFF Attorney for Applicant

Registration No. 36,596

Customer No. 022913

ELM: alb AB0000000049V001

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EXPRESS MAIL LABEL NO: EV 485807944

Form PTO-1449

Hoki Kwon

Applicant: Serial No.:

10/078,473

Filing Date:

Examiner:

For:

Feb. 21, 2002

Att'y Docket No.: 15436.438.1 Group: 2811

Sheet 1 of 2

CARBON DOPED GAASSB SUITABLE FOR USE IN TUNNEL JUNCTIONS OF

LONGWAVELENGTH VCSELS

SUPPLEMENTAL INFORMATION DISCLOSURE CITATIONS MADE BY APPLICANT

U.S. Patent Documents

Examiner <u>Initial*</u>	Document Number	Issue <u>Date</u>	<u>Name</u>
1	5,805,624	Sep. 8, 1998	Yang et al.
2	5,825,796	Oct. 20, 1998	Jewell et al.
3	5,825,796	Oct. 20, 1998	Jewell et al.
4	5,903,586	May 11, 1999	Ramdani et al.
5	8,912,913	Jun. 15, 1999	Kondow et al.
6	5,943,359	Aug. 24, 1999	Ramdani et al.
7	5,956, 363	Sep. 21, 1999	Lebby et al.
8	5,960,018	Sep. 28, 1999	Jack L. Jewell
9	5,960,018	Sep. 28, 1999	Jewell et al.
10	5,978,398	Nov. 2, 1999	Ramdani et al.
11	6,049,556	April 11, 2000	Sato
		Foreign Patent Documents	
Examiner <u>Initial</u> *	Document Number	PublicationDate	Country or Patent Office
12	01/33677 A2	May 10, 2001	PCT

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Date Considered:

EXPRESS MAIL LABEL NO: EV 485807944 US

Form PTO-1449 Sheet 2 of 2

Applicant:

Hoki Kwon

Serial No.:

10/078,473

Att'y Docket No.: 15436.438.1

Filing Date: Feb. 21, 2002

Group: 2811

For: CARBON DOPED GAASSB SUITABLE FOR USE IN TUNNEL JUNCTIONS OF

LONGWAVELENGTH VCSELS

13	01/33677 A3	May 10, 2001	PCT
14	0882630 A1	Feb. 4, 1998	European
15	0874428 A2	Oct. 28, 1998	European
16	0874428 A3	Nov. 4, 1998	European
17	0765014 B1	Jul. 28, 1999	European

References Cited by Applicants

While the filing of Information Disclosure Statements is voluntary, the procedure is governed by the guidelines of Section 609 of the Manual of Patent Examining Procedure and 37 C.F.R. §§ 1.97 and 1.98. To be considered a proper Information Disclosure Statement, Form PTO-1449 shall be accompanied by a copy of each listed patent or publication or other item of information and a translation of the pertinent portions of foreign documents (if an existing translation is readily available to the applicant), an explanation of relevance of each reference not in the English language, and should be submitted in a timely manner as set out in MPEP Sec. 609.

Examiners will consider all citations submitted in conformance with 37 C.F.R. § 1.98 and MPEP Sec. 609 and place their initials adjacent the citations in the spaces provided on this form. Examiners will also initial citations not in conformance with the guidelines which may have been considered. A reference may be considered by the Examiner for any reason whether or not the citation is in full conformance with the guidelines. A line will be drawn through a citation if it is not in conformance with the guidelines AND has not been considered. A copy of the submitted form, as reviewed by the Examiner, will be returned to the applicant with the next communication. The original of the form will be entered into the application file.

Each citation initialed by the Examiner will be printed on the issued patent in the same manner as references cited by the Examiner on Form PTO-892.

The reference designations "A1," "A2," etc. (referring to Applicant's reference 1, Applicant's reference 2, etc.) will be used by the Examiner in the same manner as Examiner's reference designations "A," "B," "C," etc. on Office Action Form PTO-1142.

AB000000059V001			

*EXAMINER:	Initial if reference	considered,	whether o	r not	citation	is in	conformance	with
MPEP 609, draw	v line through citation	on if not in c	onformanc	e and	not cons	sidere	d. Include co	py of

Date Considered:

this form with next communication to applicant.

Examiner:

THIN 28 SAID

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): Hoki Kwon

Docket No. 15436.438.1

Serial No. 10/078,473 Filing Date February 21, 2002 Confirmation No. 4854

Examiner
Dung T. Nguyen

Group Art Unit 2811

Invention: CARBON DOPED GAASSB SUITABLE FOR USE IN TUNNEL JUNCTIONS OF LONG-WAVELENGTH VCSELS

I hereby certify that the Transmittal letter (2 pages) (in triplicate); Information Disclosure Statement (2 pgs); Form PTO-1449 Listing all Cited References (2 pgs); Legible Copies of 17 Cited References; Credit Card Payment Form in the amount of \$180.00; and postcard are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 1-28-05

Tobi Terry

(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

EV 485807944 US

("Express Mail" Mailing Label Number)

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TAT0000000646V001